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Exam. Code : 103203 1093

Subject Code:

B.A./B.Sc. 3rd Semester COMPUTER APPLICATION (Operating System)

Time Allowed—3 Hours

[Maximum Marks—75

Note: — Attempt any FIVE questions in all, selecting at least ONE question from each of the Sections A, B, C and D.

SECTION-A

- 1. (a) What is an operating system? Explain its evolution and language related developments. 197.5
 - (b) Distinguish between:
 - Compiler and interpreter
 - (ii) Assembly and machine languages 7.5
- 2. Distinguish between single and multi-user operating systems with examples. 15

SECTION—B

3. Compute the Average Waiting time and Turnaround time for the following set of processes by applying FCFS, preemptive SJF algorithms:

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(Contd.)

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EUSEU Process Arrival Time CPU burst				
	ct Code :	(ms)	(ms)	
	P ₁ salsomo	0	10	
	P ₂ gairgraq() i	PLICATIDA	29 1191	
	P_3	2	3	
	P ₄ / mmmixnl//)	3	7 - bowel	
	P ₅ looloe .lle ni en	4	12 12 11/4 -	15/
4. Expla	ain various memo	ry manageme	ent methods in	detail.
	SEC	TION—C		
5. (a)	Explain the UND	X File system	in detail.	(B) 10
(b)	Explain the conc	ept of Kernel	and Shell.	5
6. What	are the features			(d) 15
	SEC	TION—D		
	What is a filter in UNIX. Explain a	UNIX? List	out various fil	ters in 7.5
	What are the type in detail.	s of shells in	Unix ? Explair	
8. (a)	Explain any file c	ommands in U	Unix.	7.5
	What are the type detail.			

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